

IN THE CLAIMS:

Please cancel claims 2, 4, 8 and 10-11 without prejudice.

Please add new claim 24.

Please amend claims 1, 3, 5-7, 9, 14, 15, 18-23 as follows:

1. (currently amended) A composition of a dielectric layer of a plasma display panel (PDP) comprising a phosphor layer including a ferroelectric transparent ceramics material, wherein the phosphor layer of the PDP is formed by mixing a ferroelectric transparent ceramics powder with a phosphor powder.

2. (cancel)

3. (currently amended) The composition of claim 1, wherein a lower dielectric layer of the PDP is formed such that the ferroelectric transparent ceramics powder is mixed in the range of 1 wt% ~ 20 wt % to a parent glass powder, and then, the mixed powder wherein a mix of the ferroelectric transparent ceramics powder and the parent glass powder is printed and fired.

4. (cancel)

5. (currently amended) The composition of claim 1, further comprising: ~~wherein a composition of~~ an upper dielectric layer of the PDP ~~contains~~ containing the ferroelectric transparent ceramics material.

6. (currently amended) The composition of claim 5, wherein the upper dielectric layer is formed such that at least one powder of (Pb,Bi)-(ZrTi)O₃, (Pb,La)-(MgNbZrTi)O₃, (Pb,Ba)-(LaNb)O₃ is mixed in the range of 1 wt % ~ 5 wt % to a parent glass powder, and the mixed powder is printed and fired.

7. (currently amended) The composition of claim 5, wherein at least one thin film of (Pb,Bi)-(ZrTi)O₃, (Pb,La)-(MgNbZrTi)O₃, (Pb,Ba)-(LaNb)O₃ is formed ~~with a thickness of seores of Å — hundreds of Å at the a~~ surface of the upper dielectric layer.

8. (cancel)

9. (currently amended) The composition of claim 1, wherein the phosphor layer of the PDP is formed by mixing the ferroelectric transparent ceramics powder of a few nm in the range of 1 wt % ~ 10 wt % to the phosphor powder.

10-11 (cancel)

12. (original) The composition of claim 1, wherein the ferroelectric transparent ceramics material has a 70% or more visible ray transmittance and a 1000 or more electric permittivity.

13. (original) The composition of claim 1, wherein a composition of the ferroelectric transparent ceramics material is at least one selected from the group consisting of (Pb-La)(ZrTi)O₃, (Pb,Bi)-(ZrTi)O₃, (Pb,La)-(HfTi)O₃, (Pb,Ba)-(ZrTi)O₃, (Sr,Ca)-(LiNbTi)O₃, LiTaO₃, SrTiO₃, La₂Ti₂O₇, LiNbO₃, (Pb,La)-(MgNbZtTi)O₃, (Pb,Ba)-(LaNb)O₃, (Sr,Ba)-Nb₂O₃, K(Ta,Nb)O₃, (Sr,Ba,La)-(Nb₂O₆), NaTiO₃, MgTiO₃, BaTiO₃, SrZrO₃ or KnbO₃.

14. (currently amended) The composition of claim 1, ~~wherein the PDP further~~ comprising:

a lower dielectric layer including the ferroelectric transparent ceramics material); and an upper dielectric layer including the ferroelectric transparent ceramics material; and ~~a phosphor layer including the ferroelectric transparent ceramics material.~~

15. (currently amended) A composition of a dielectric of a PDP, comprising:
a lower dielectric layer containing a ferroelectric transparent ceramics material;

an upper dielectric layer containing the ferroelectric transparent ceramics material; and
a ~~fluorescent material~~ phosphor layer with containing the ferroelectric transparent
ceramics material ~~mixed therein~~ or having a ferroelectric transparent ceramics thin film, wherein
the phosphor layer of the PDP is formed by mixing the ferroelectric transparent ceramics
material with a phosphor powder.

16. (original) The composition of claim 15, wherein the ferroelectric transparent ceramics
material has a 70 or more visible ray transmittance and a 1000 or more electric permittivity.

17. (original) The composition of claim 15, wherein the ferroelectric transparent ceramics
material is at least one selected from the group consisting of (Pb-La)(ZrTi)O₃, (Pb,Bi)-(ZrTi)O₃,
(Pb,La)-(HfTi)O₃, (Pb,Ba)-(ZrTi)O₃, (Sr,Ca)-(LiNbTi)O₃, LiTaO₃, SrTiO₃, La₂Ti₂O₇, LiNbO₃,
(Pb,La)-(MgNbZrTi)O₃, (Pb,Ba)-(LaNb)O₃, (Sr,Ba)-Nb₂O₃, K(Ta,Nb)O₃, (Sr,Ba,La)-(Nb₂O₆),
NaTiO₃, MgTiO₃, BaTiO₃, SrZrO₃ or KnbO₃.

18. (currently amended) The composition of claim 15, wherein the lower dielectric layer
is formed such that a ferroelectric transparent ceramics powder is mixed in the range of 1 wt% ~
20 wt % to a parent glass powder, and then, the mixed powderwherein mix of the ferroelectric
transparent ceramics powder and the parent glass powder is printed and fired.

19. (currently amended) The composition of claim 15, wherein a the ferroelectric
transparent ceramics thin film is formed with a thickness of thousands of Å at the a surface of the
lower dielectric layer or embedded in the lower dielectric layer.

20. (currently amended) The composition of claim 15, wherein the upper dielectric layer
is formed such that at least one powder of (Pb,Bi)-(ZrTi)O₃, (Pb,La)-(MgNbZrTi)O₃, (Pb,Ba)-
(LaNb)O₃ is mixed in the range of 1 wt % ~ 5 wt % to a parent glass powder, and the mixed
powder is printed and fired.

21. (currently amended) The composition of claim 15, wherein at least one thin film of $(Pb,Bi)-(ZrTi)O_3$, $(Pb,La)-(MgNbZrTi)O_3$, $(Pb,Ba)-(LaNb)O_3$ is formed ~~with a thickness of scores of Å — hundreds of Å at the a~~ surface of the upper dielectric layer.

22. (currently amended) The composition of claim 15, wherein the phosphor layer of the PDP is formed by mixing ferroelectric transparent ceramics powder of a few nm in the range of 1 wt % ~ 10 wt % to the phosphor powder.

23. (currently amended) The composition of claim 15, wherein the ferroelectric transparent ceramics thin film is formed with a thickness of below 100Å at ~~the-a~~ surface of the phosphor layer.

24. (new) The composition of claim 1, further comprising a lower dielectric layer including the ferroelectric transparent ceramics powder.